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FEASIBILITY STUDY

Legal

• Definition – to measure different impact on the organizational characteristic; fulfil user requirements

 Essential Factors of Feasibility Study (TELOS)

Technical Economic **Feasibility** Study (TELOS) Scheduling **Operational**



TECHNICAL FEASIBILITY

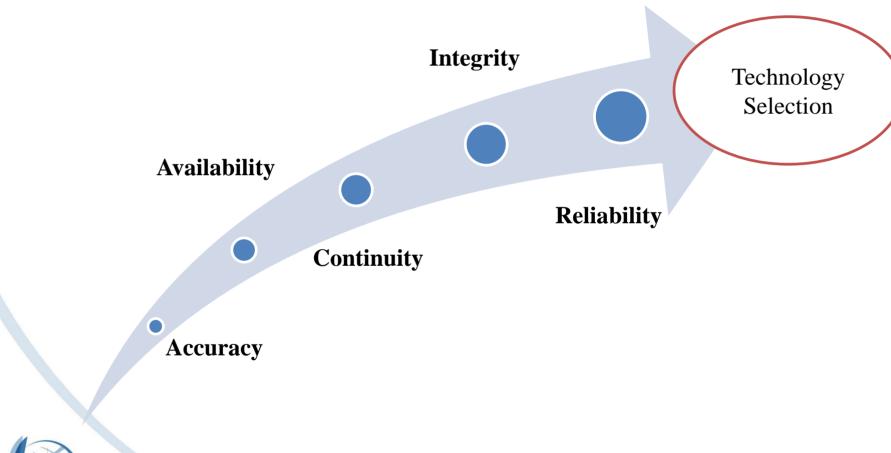
FACTORS CONSIDERED TO CHOOSE THE BEST TECHNICAL SOLUTION

- Survey of users' requirements
 - Scheduling
 - Location selection
 - Raw material selection
 - Capacity planning
 - Utility selection





TECHNOLOGY SELECTION FOR GNSS HIGH ACCURACY POSITIONG TFS Approach





Infrastructure Architecture

- Networks
- Hosting cloud based services: Infrastructure as a Service (IaaS), Platform as a Service (PaaS) and Software as Service (SaaS)
- High Availability and Fault Tolerance
- Disaster Recovery
- Capacity Planning

Analytics Architecture

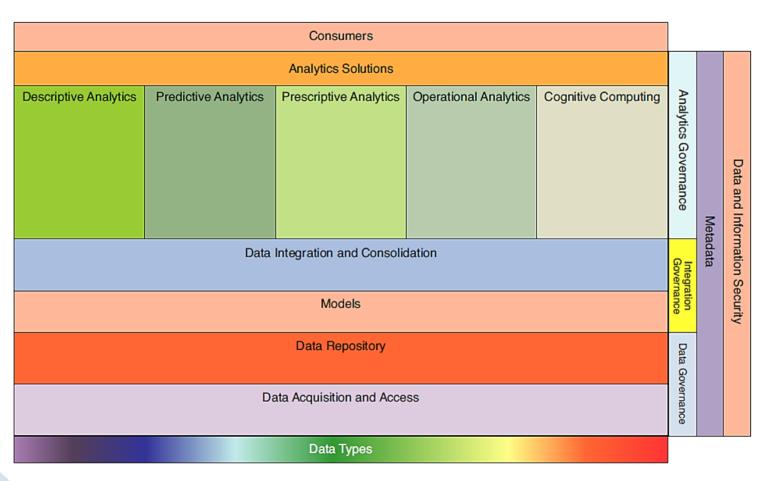




Fig 1. A layered view of an analytics reference architecture (Mitra T, et al. 2015).

Case Study: ESRs Interactions

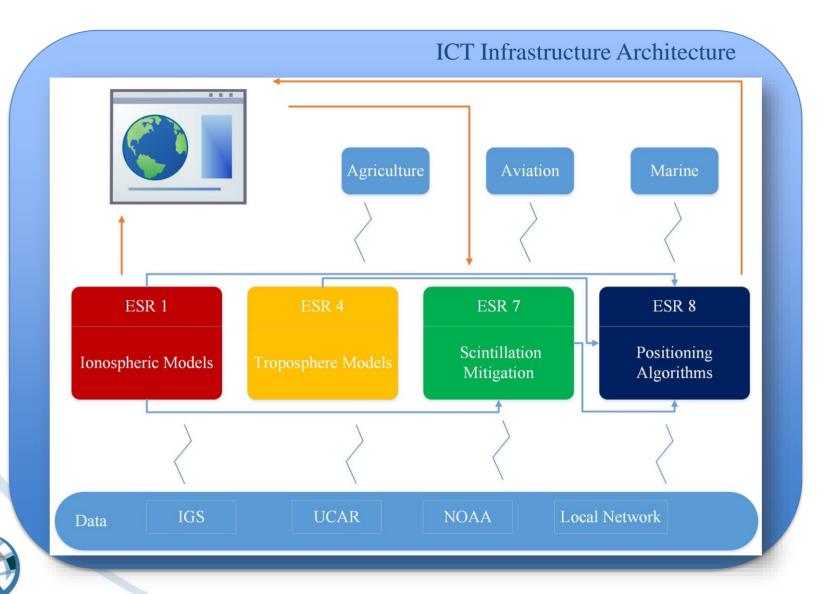


Fig 2. Intellectual interactions in the frame of TREASURE

Activity Diagram

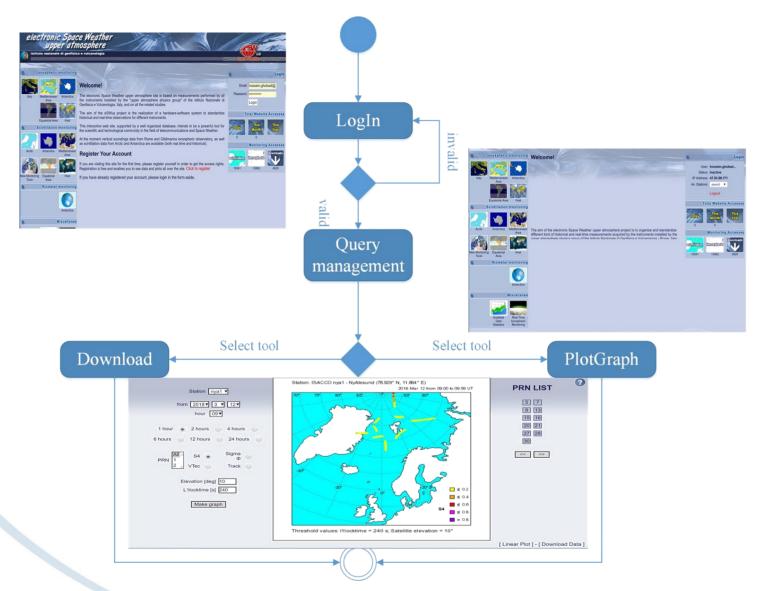


Fig 3. User Activity diagram – scintillation monitoring



Sequence Diagram

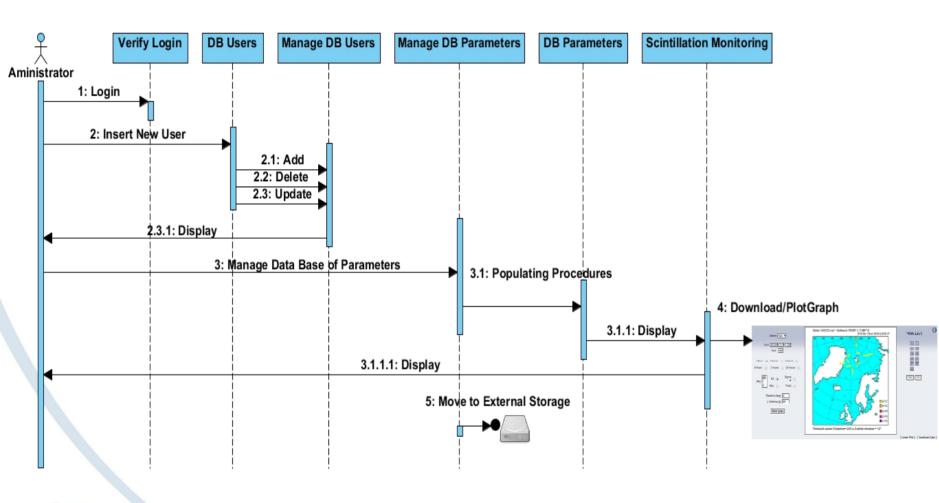




Fig 4. Administrator Sequence diagram – scintillation monitoring

First-Phase Questionnaire

Input and Output

- Repository
- Communication Protocol
- Latency
- Format
- Size
- Sample Rate

<u>Process</u>

- Operating System
- Memory
- Processor
- Programming Language
- Compiler
- Execution Time

The questionnaire will be sent soon!



THANK YOU

Q & A



Back up

• Network

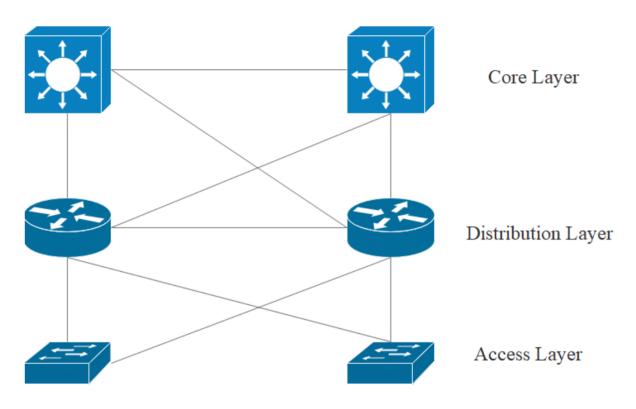


Figure 2. Standard tree-layered network hierarchical model

